Last Steps in Huge Undertaking in Which Obstacles Have Ranged in the lower than the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense of renewals at a later day and the annoyance of such extensive pipe laying in the busy thoroughfares of the meaning the city alone and have effectually obviated the great expense. From Mountains to Microbes

who has presided over the Catskill encounter some geological uncertainwater supply system since the days of | ties.

the better part of 110 miles to reach the tunne.s strong enough

wondered from time to time, as some nessilke policy was adopted and reached completion, why they had to wait any longer for the mountain water. I think I can answer this question satisfactorily. To put it briefly, at the beginning of 1916 the Catskill accordance of the project. Catskill aqueduct was in the condition of a very large machine with very many working parts which had been assembled for the first time but not finally adjusted or tested. Some parts of this machine are necessarily of new and untried designs and developed to meet conditions never before imposed upon the hydraulic engineer.

The problem now confronting the Board of Water Supply and its engineers is the final adjusting and testing of this complex apparatus, the smoothing of gears and bearings, the replacement or modification of minor parts which may not properly perform their functions, the training of the operating force, the working trial of the entire plant and last of all the tuning up and synchronizing of all the parts to the end that performance in the future may be safe, smooth, dependable and continuous. Most of the current year will be taken up in this way, but water from the Catokill Mountains will be delivered into the distribution system at times, as in fact has been the case in The Bronx.

"Until September 9, 1913, Esopus Creek flowed in its natural channel to. the Hudson River, but with the closing of the Olive Bridge dam of the Ashokan Reservoir the course of the stream was halted and thus began the storage of Catskill Mountain water for the use of New York city. First, as a phase of the tuning up process, the two basins of the reservoir were partly fitted and the water allowed to stand upon the new bottom for a long time. Then the water was drawn rapidly of

Reservo'r. Winds have blown straight down that lake, nearly ten miles long, and have whipped the waters into waves fifteen feet high at times. These waves have dashed against the new shores and the dams, putting our work that lake, nearly ten miles long, and have whipped the waters into determine the level at which the from the tunnel to the street mains. They are called riser valves because the river. In this one case alone several hundred thousand dollars were rise from the tunnel up through the shores and the dams, putting our work thus saved.

charged first and the pent up waters tan, near Madison Square, a few thus served to test the strength of slight cracks, caused by compression the middle dam.

a faker if even one lived. And Jim the salt of the earth!"

was divorced by his wife. I've always tions,

him. They said he was up to his eyes | week."

an impossible lot, that crowd back other.

certainly like to see good old Albert to make a trip back home."

would have been in serious trouble

FEW months hence many hidden away along the paths we chose imposes the providing of a variety of residence of Greater New to follow. Prehiminary borings at mechanical safeguards against breakmountain water from the told us what were the geological con- sacrifice of life and property losses domestic faucet, for then our great ditions at those points, and we could aqueduct and its associate features only hope that the intervening rock "All along the line of the Such is the announcement where the element of chance came in. J. Waldo Smith, chief en- In the total fifty miles of tunnels in the Board of Water Supply the whole Catskill aqueduct we did

the inception of the project in 1905. "To have developed them fully in "I doubt if more than a few of the advance would have been impossible, millions of our citizens realize either and an attempt to do so would have the vastness of the undertaking or been extravagan; in time and in money the difficulties that have been over- expended upon lorings and other subcome," he went on. "A glassful of surface explorations. Likewise to Catskill mountain water must travel have constructed all those parts of Manhattan, and to enable it to make unsuspected weaknesses in the rock that journey we have had to battle simply because of some slight eviwith mountains and to deal with the dences of lacking strength encountered during the progress of excavation would have been extremely costly and nearly nine years, and the public has unnecessary. Instead a more busispectacular features of the project made the structure at the few doubt-

tropolis. But the substitute installa-

of their kind ever fashioned and it has been part of our work to test these thoroughly both for strength and for "Aside from the structural features". their recording accuracy.

water can be discharged from the equeduct into the Wallkill and Hudson rivers and Croton Lake and also into esser streams. Each of these blowoffs is big enough to take the full aqueduct flow; and the Wallkill blowoff is a tunnel and conduit about even though we know that sediment seven feet in diameter and 7,000 feet long. It is built upon a steep grade so it at a high speed.

the Hudson River the whole through a short forty inch pipe con-

meters and other facilities have been installed for measuring the flow of water from the mountains to the city. Three of these meters are the biggest with the people above. This unwater-

Water Supply Board has been to make em blowoffs have been built by which sure of delivering to the city clear, pure and palatable water. The great gate chambers by which the water is drawn from the reservoirs are provided with intakes permitting the water to be tapped at various levels. The water from the top is not always of the best, and germ bearing matter tend to setue bottomward.

Curiously water is denser at 39 degrees when, as everybody can see, they are

Sacred Concord" of France and Its Deep Significance

French Revolution at the University of Paris.

UTSIDE of France people do not always understand very well what the French mean by their "sacred concord." Above undergoes annually what we term two all it is nard for them to understand turnovers. That is, the surface water how the French can speak of themapacity of the aqueduct is forced descends and the bottom water rises, selves as being in a state of harmony

By ALPHONSE AULARD, Professor of the History of the Great Historian Explains How the War Has Buried All Political Dissension and Levelled All Castes

Professor Aulard of the University of Paris is one of the leaflets of the new France which has arisen since the war began. The saries of articles he is contributing to THE SUN is therefore of unusual caterest and importance. His broad vision and keen insight make him a statesman besides a historian. He is a great admirer of America. The accompanying article, the fifth of the series, treats of the spirit which unites all Frenchmen in the national defence.

force of France and an active and at the Ministry of War by Gen, Gal. fighting force. That is why, among a lieni, himself replaced now, in his in people of agnostics and backsliders, ness, by Gen. Roques. The French the Church is so ardently supported are unanimous to will to exact, the

Thus it was the religious concord energy, talent and determination, the which was hardest to realize, at least each day it shall be pushed more acat first. In August and September of tively, more imperiously; this is the from any attacks on religion. During traution.

papers have ceased to promise us a out vicience in the debates. Napoleon. The unified Socialists have become provisionally ministerial and sided over by Georges Clemenceau three of them have entered and re- has been the very heart of the namain in the Ministry. Neither syndi- tional defence; from it have gone ou calists nor their allies, the anarchists, the directing currents which have bee have refused the sacred concord. On of greatest value during the war the tomb of Jaures, assassinated on above all concerning the manufacture the eve of the declaration of war, one of the most ardent syndicalists, Jouhaux, proclaimed the patriotic truce with moving eloquence.

than one question, either in their newspapers or in their parliament, lously observed than among soldiers, when there arises fairly often even a above all on the firing line and in the trenches. Common danger and united Let us recall, first of all, the origin action make the sacred concord a real of the sacred concord. The expression thing every instant. At the front all distinctions of a social character or of war. It was President Poincare who opinion are effaced. There there exists uttered it first. In his message of August 4, 1914, in which he said: "France But the French do not

But the French do not want their will be hero; ally defended by all her sacred concord to be an apathetic and sons, none of whom will break, in the presence of the enemy, the sacred concord, all of whom are to-day frater-subjects under a king; it is the union nally joined in a common indignation of citizens in a republic. We are a society of free men. We do not wish to obey, but rather to collaborate, and in the army, as in civil life, our discipline is not imposed but rather consented to is not imposed but rather consented to.

These words express perfectly the state of mind of the French, unani-mous in their will to defend their ountry against an enemy who de- for a time in 1914, has again met, will never be that of a respectful at Thus, our Parliament, suspended clared war on them upon a false pre-text. The President's expression be-uing of 1915. One has beard there ning of 1915. One has heard there came popular, and the longer the war lasts the more the French invoke and read them, despite the censor, in cerendeavor to practise the sacred con-tain newspapers, above all in Clemen-has become even more sturdy. If we uspension for the duration of the Accambray, a former officer in the it never abdicates its right to advis war and the adjournment until the army, a man of strong will and in- to correct, to reprimand and even

restoration of pence of all quarrels and discussions on religious, political and opponent of the Government. This when it bears love, which is rare opposition has on several occasions never shows openly more than a jest I put the religious aspect before the others because it is the religious question which divides and arouses that it has been possible for foreignold forth on transubstantiation, the and that famous sacred concord was down, no longer has in view

showing the violent rush of

the released water.

against the aggressor and in a com-

mon patriotic faith."

Prinity of the sacred heart; dogma is broken. a matter of protound indifference to the matter of protound indifference to the matter of protound indifference to the matter of protour of the matter of th the sacred concord considered as an active union. With the exception of more and impatience. No master by There is one Church which has an the case of a few base minds, such

believers—far from it—nor are all of opposition sought each time was a it ardently; it has become the was a her believers zealots, but almost all more energetic, more active and more core of our national life. We are of them are conservatives from the po- successful fighting Government, in or- convinced that it will lead us to vi

the war shall be carried on with me

military defeats as divine just punish- But these public manifestations and ments. The universal patriotism of the speeches before the Parliament are Church's adherents discouraged this the least important feature of the attitude of a part of the episcopacy and at the same time the almost Germanophile leaning of the Pope made now the real Parliament is not the one the faithful grieve profoundly, leading them to lock up their faith in their committees, which works silently and consciences. At the same time the ardently. There is exercised the conmost militant free thinkers refrained trol laid down as a duty by the Conthe war patriotism has been the only | ? Le special circumstances of the

religion of the French, one may say; war gave made it necessary that this perhaps even to a greater extent than service should be of a creative charat the time of the French Revolution. acter, that it should be in equal col If the religious truce came without laboration with a Government, a col too much difficulty the political and laboration which M. Briand himself social truces came quickly and easily. Gescribed before the Chamber as a re-Even the most rabid royalist news-papers have rallied, at least for the without friction, without bitter discusduration of the war, to the defence of sions. But grave and wise decisions the republican Government, if not to in this war, for the very existence of the republican form. The Bonapartist the nation, cannot be arrived at with-

of munitions, cannon, aeroplanes trench railways, &c. M. Clemenceau the most celebrated of French men state, has the energy and talent of youth in him despite his great ag-Senator Charles Humbert, a forme Captain in the army, director of the cipal assistant as regards cannon at tical energy and a great inspirer others to achieve practical results.

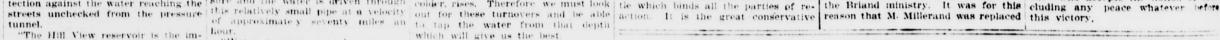
The public knows nothing of the luence, the method, the activity even the results of this Senate tradition of the great committees the national convention; but every in touch with the political knows how much the national defend

The attitude of the French towar uncriticising obedience. The French have ever been, even under their kings speeches of opposition, one could even a people of reasoners. Since the revo

ceau's L'Homme Enchaine. Deputy us the people delegates its sovereignt restoration of peace of all quarrels and telligence, has been the most vehement worry its Government, for which ever

ers to believe that the French had ment. In this time of war this con Not because the French like to fallen back into their old disorders plaining attitude, very much softe This belief has been held especially rendering of it more active.

enormous numerical preponderance. I mean the Catholic Apostolic Roman Church. Not all of her followers are opposition sought each time was a it ardently; it has become the ve



mother at this time and to have her

dweller would tolerate a minnow in his T T will be news to most New York- family but also securing employment could find plenty of opportunities in

Immediate relief was given by the committee gave him material aid for hours. The lectures are or her rent and procured gifts of furni-ture and clothing for her and the culosis. He was sent to Sea View Hosfive children. Soon afterward two of pital and stayed there for several class for women which meets the younger sirls were placed in a weeks without improvement in his conhome and a boy who was mentally de- dition. Then the young man begged to gymnasium. Then there are fective was taken to a hospital for be taken home so that he could spend ming classes for Furthermore, the woman his last hours with his mother. was given the privilege of renting soap wish was heeded, and the welfare and lowels at one of the public baths. committee detailed a visitor to keep Twenty-eighth street. And In this way she is now making a liv- close watch on the little home and see ing, the children are in good health that needed comforts were provided. fayette street on Tuerday and all are comfortably cared for. Soon The committee is now furnishing medi-dition there are a municipal there will be another little mouth to cal attendance as well as milk and eggs team, a camera club, a swi feed and the welfare committee is daily to the invalid, and will continue gymnastic class for men making arrangements to care for the to do so as long as urgent need exists.

The welfare committee, which has little business carried on for her while found many such calls for relief dur- ough Welfare Committee business she is away from it. ing its first year of existence, came in boner medal to be pre instance after instance of practical into being through the suggestion of nually to employees who

delivered in room 507 of the connected with the city gover

This Twenty-third street swimm nicipal band. Among its other activities

after the immediate expenses of the two thousand men and women it surely ing a life from drowning.

touts triest un immense scale, and also "All along the line of the aqueduct will be finished and quite fit for ser- would be found the same. Here is just from the mountains to Brooklyn, great trolled by two forty inch valves. This Fahrenheit than it is at 32 degrees, in a condition of disaccord on more

lively opposition to the Covernment.

The cap of the great drainage shaft on the east side of the Hudson siphon.

he aqueduct and for washing it out, chance had been taken in rock of ap- sure smoothness of operation. Nature too has been busy testing our parently unusual soundness. This "In the city tunnel valves of a barriers reared around the Ashokan was done in order to utilize in the extremely novel type have been placed.

reservoir begun. Following this, late water percolating through this rock it should be necessary to remove any n December last, some of this water, attacked the concrete lining of the of them for repairs, the riser valves although in small quantity only, tunne. To overcome this trouble an can be closed either manualty or au- blowoff, being at the river level, is As a result, when the surface water

This idea of division has been car- in the tunnel, are to be made tight by

"At four places weaknesses had to sluice gates and valves have been inthrough the waste gates, and this movement gave the reservoir bottom a through washing.

"Again, the waste gates were closed an interlining made of steel channel possible to drain for inspection and interlining made of steel channel contains a state of the system." and the impounding of water began rings, welded and riveted together and repair any section of the system. anew. Now this great man made lake coated on the inside with concrete. While sluice gates and valves may is three-quarters full and about 90. At the eastern end of the Moodus tun-function properly when tried out at

000,000,000 gallons of water is stored nel, where it joins the Hudson sighon, the shops this does not answer the in the two besits.

"While this has been going on great driven at a depth of 400 feet below the original tunnel approaching the shaft this reservoir for the purpose of mekting hydrostatic and hydreulic tests of the river.

"Here a seemingly very slight is shops this does not answer the shaft of the fiven tunnel was a supplementary tunnel was requirements of the Board of Water Supply. All has been or is now undergoing tests along the line and under working conditions, and where not just right it must be made so to in-

"In a portion of the Eastview tunconnections are made with the mains.

"The Hill View reservoir is the im- hour.

town in the Middle West and later came to New York, met on Broad-later came to New York, met on Broad-way last week for the first time in ten years. After each had inquired how the fatts had been dealing with the other since last they met, they fell, to discussing the friends and acquaintdiscussing the friends and acquaints one of the churches in Chicago and a well nigh irresistible blow or pressigned for because of the unforeseen that his brothen. Herbert, is being sure, theoretically computed equal to yielding of the rock when subjected line under the Narrows which binds wonder whatever became of talk of or congress. That old town 5,000 pounds per square inch. A reto these great pressures.

Brooklyn and Staten Island and carcones," said Smith. "He certainly was certainly holds some people who are action of this sort spreads back along."

The unwatering of one of these ries the Catskill water to the terminal

Black-I don't believe he ever drew a "I'll have to be going now," broke at a number of places. been curious to know, too, whether | "If I'd have listened to Smith much and in this way diminish the velocity over the funds of the Sunday school meeting and overheard their convertion if old man Wilson hadn't put up \$2,900 sation was still standing at the spot Some of these valves have been given "As

"You remember Bill Walker, don't "which one of those fellows wouldn't of it. To that end great Venturi outfit is supplied by a flexible cable with the Panama Canal.

"On November 22 last Catskill water was turned for the first time into the Kensico basins and the filling of that Kensico basins and the filling of that item in the forming mineral. The acidulous of the connections are made with the mains. They are from 100 to 200 feet below the tops of the shafts and if all the other valves shauld fail to work or if the forming mineral. The acidulous of the connections are made with the mains. They are from 100 to 200 feet below the tops of the shafts and if all the other valves shauld fail to work or if the first gives an idea of the size of the bore. ing on the right gives an idea of the size of the bore.

"Water moving at such a rate is "This idea of division has been carried out in all of the reservoirs. The
purpose is to guard against an accitent that might mean the temporary
fisablement of any of these lakes and

operation. Each tunnel is provided of this cast iron conduit involved breath in all the years I knew in Smith, so they shook hands and conthe breath in all the years I knew in Smith, so they shook hands and conthe breath in all the years I knew in Smith, so they shook hands and continued toward their respective destinatinued toward their respective destinatinued toward their respective destinatinued toward their respective destinatinued toward their respective destinasober breath in all the years I knew in Smith, so they shook hands and con- "To guard against this it was neces- with a drainage shaft fourteen feet in many engineering difficulties, but we of the great depth of some Prank Doe ever got himself out of the discharge gradually. The inspired was in when last I heard of slong. "Id have had the blues for a genus design of the riser valves provides for this automatic closure in and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson of the discharge gradually. The inspired in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts, nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts nearly 1.150 feet in the Hudson siphon, an engineering problem of example to smith much and in this way diminish the velocity shafts nearly 1.150 feet in the Hudson siphon and the shaft nearly 1.150 feet in the Hudson siphon and the shaft nearly 1.150 feet in the Hudson siphon and the shaft nearly 1.150 feet in the Hudson siphon and the shaft nearly 1.150 feet in the Hudson siphon and the shaft vides for this automatic closure in any bave met this by building a cylindrical debt and owed everybody he knew. "Brown still has that same childish desired period of time, but probably stee boat which carries a powerful following the ups and downs and shift-He came from bad stock, though. His optimism," said Smith to bimself as he uncle was forced to resign from the comparatively would lowe the force of the water hammer blow to the comparatively would lowe the force up-

was supplied to portions of The Bronx. On November 30 last the filling of this filling of this section of the single of the spring of the spri

glass of water. Accordingly, filtering disablement of any of these lakes and also to facilitate repairs and cleaning while water still flowed from the other country no remedy would have been seally to the twentieth floor of sky-balf on to the city. salf on to the city.

"It must be remembered that many phases of the work on the aqueduct phase of the work on the adoption of pressure tundence of the water itself. From this chamber the water itself. From this chamber the water itself. From this chamber the water itself, a geyer would should the water itself. From this chamber the water itself, a geyer that the water itself. From this chamber the water itself, a geyer that the water itself. From this chamber the water itself, a geyer that the water itself, a geyer that the water itself. From this chamber the water itself, and the water itself, a geyer that the water itself. From this chamber the water itself, a geyer would should the water itself. From this chamber the water itself, a geyer would should the water itself ried to be, still we could not be cersail geological developments, we have
sain in advance of what nature had saved at least \$15,000,000 in the secling service.

The deep pressure tunnels in the secondation.

The deep pressure tunnels in the secondation. THE PEOPLE BACK HOME

"But this does not quite explain the boroughs of The Bronx, Manhatton they to be met potentian and part of Bronx, Manhatton they conditions that have to be met potentian and part of Bronx, Manhatton they conditions that have to be met potentially by the riser valves. Desirable to hydrostatic tests under the boroughs of The Bronx, Manhatton they conditions that have to be met potentially by the riser valves. Desirable to hydrostatic tests under the boroughs of The Bronx, Manhatton the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture. The welfare committee discover any minor defects which could not be desirable to the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the water will be thrown the week by week until the father recovition.

The last named standing committee discovered that the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of subjected to hydrostatic tests under the borough we taken to an agriculture of the borough we taken t

"We have nearly completed the pipe the line and would occasion ruptures tunnels is an interesting and difficult reservoir at Silver Lake. The laying voir is now three-quarters finished. kan reservoir nearly 126 miles off

A man who had witnessed their moderate pressure of probably less ward through a gradually lengthening kill water system is being brought to completion successfully, on time and relief may be found on file in the office the President of Manhattan Borough. spicuous bravery in perfection "As the water level lowers, the boat within the estimated cost. The work of W. Archibald Ferguson, who is who was familiar with social service their duties or offer valuable to quiet the talk. They certainly were where they had encountered each a preliminary test under service con- with its numbs descends, while the has been conducted in a businesslike chairman of the welfare committee of enterprises in industrial corporations. pipe line through which the water is manner and New York city may well discharged grows in length. The be proud of having so nearly fluished discharged grows in length. The be proud of having so nearly fluished discharged grows in length. The be proud of having so nearly fluished discharged grows in length. The be proud of having so nearly fluished discharged grows in length. The be proud of having so nearly fluished death has removed the wage earner of the country. He reasoned that if so sented, one to James McInty and a family the welfare committee has cial service for the country. He reasoned that if so sented, one to James McInty bureau of sewers and the other committee has cial service for the country. He reasoned that if so sented, one to James McInty bureau of sewers and the other committee has cial service for the country. He reasoned that if so sented, one to James McInty bureau of sewers and the other committee has cial service for the country. you?" interrupted Brown. "If ever a find a brass band and a reception they are to have the Catskill water so is the ventilating apparatus. Power undertaken. As an administrative and a family gentleman lived, bill wis one. And I'd committee at the station if he decided without tab being kept upon their use for this purpose and for the lighting engineering achievement it ranks come to the front, not only looking by concerns employing a thousand or thur Brodbeck, in each case

of the rock under the water pressure in the tunnel, are to be made tight by ill draw the Catskill water. This charged with a destructive force of and other floating matter, and fond as

ers that for nearly a year past for widows and children old enough to local government employing not less than 90,000 persons. So at his suggest Father Knickerbocker has been One of the elevator men in a municition the welfare committee was carrying on among his 90,000 mu- pal building contracted pneumonia and ganized. nicipal employees work of social wel- was ill for two months. A visitor sent fare like that which has been devel- to his home found there the man's wife ments and outings and are discursed oped in large industrial and mercantile father and mother. All seven of the machinery is such that immediate at lents. Careful as we have uniformly involved a gamble at times with prob- amount of harm before it would be has also been tested under working carbonic acid gas. Two great aerators enterprises.

Much has already been three generations were gathered in one tion may be obtained in cases of enterprises. have been provided to deal with this done that is distinctly worth while. small room, with desperate haste mak- gency. Mr. Ferguson is chairman